

[Document Name] ABSTRACT

[Abstract]

[Problem]

The invention provides a photodiode array that can be mass produced easily while a high detection sensitivity is maintained as same as the conventional sensitivity, and that has a sufficient mechanical strength.

[Means of Solution]

This photodiode array comprises a semiconductor substrate 3 made of a first conductive type semiconductor, wherein a plurality of photodiodes are formed at opposite side of an light incident surface of the substrate, wherein a plurality of recessed portions 4 are formed like an array at the opposite side of the incident surface of the light to be detected, and wherein said photodiodes are formed like an array by forming a second conductive type semiconductor region 5 consist of the second conductive type semiconductor is formed at the bottoms 4a of the recessed portions 4.

[Selected Drawing] Fig. 2